

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method in a computer system for determining performance of an installed power generating turbine, the method comprising:
 - receiving from a user an operator of the installed turbine an identification of the installed turbine to be analyzed;
 - retrieving configuration information for the identified installed turbine;
 - determining current performance characteristics of the installed turbine based on the retrieved configuration information;
 - sending to the user operator a display page for displaying the determined current performance characteristics;
 - receiving from the user operator an indication of a modification to the configuration of the identified installed turbine;
 - determining future performance characteristics of the identified installed turbine based on the indicated modification to its configuration; and
 - sending to the user operator a display page for displaying the determined future performance characteristics.

2. (Previously Presented) The method of claim 1 wherein the determining of the current performance characteristics includes simulating the current performance characteristics based on plural readings collected from the identified installed turbine.

3. (Original) The method of claim 2 wherein the simulating of the current performance characteristics includes estimating fuel flow by repeatedly simulating the current performance characteristics with a varying fuel flow until a desired combustor efficiency is achieved.

4. (Previously Presented) The method of claim 1 wherein the determining of the current performance characteristics includes adjusting initial performance characteristics based on length of time the identified turbine has been in operation.

5. (Original) The method of claim 1 wherein the determining of the current performance characteristics includes measuring the performance characteristics of the turbine.

6. (Previously Presented) The method of claim 1 wherein the display page includes an indication of average performance characteristics for other turbines.

7. (Cancelled).

8. (Original) The method of claim 1 wherein the display page includes a graph illustrating performance characteristics.

9. (Original) The method of claim 8 wherein the graph includes a background with colors that transition from a shade of red to a shade of yellow to a shade of green.

10. (Previously Presented) The method of claim 1 including receiving financial information relating to operation of the identified installed turbine and estimating revenue generated from the identified installed turbine with the indicated modification.

11. (Currently Amended) A method in a computer system for determining performance of an installed power generating turbine, the turbine having a configuration, the method comprising:

simulating a current performance characteristic based on a plurality of readings collected from the installed identified turbine;

receiving from ~~a user~~an operator of the installed turbine an indication of a modification to the configuration of the identified installed turbine;

determining a future performance characteristic of the identified installed turbine based on the indicated modifications to its configuration; and

sending to the user-operator a display page for displaying the determined future performance characteristic.

12. (Original) The method of claim 11 wherein the simulating of the current performance characteristic includes estimating fuel flow by repeatedly simulating the current performance characteristic with a varying fuel flow until a desired combustor efficiency is achieved.

13. (Previously Presented) The method of claim 11 wherein the display page includes an indication of an average for the performance characteristic for other turbines.

14. (Cancelled).

15. (Original) The method of claim 11 wherein the display page includes a graph illustrating performance characteristics.

16. (Original) The method of claim 15 wherein the graph includes a background with colors that transition from a shade of red to a shade of yellow to a shade of green.

17. (Original) The method of claim 11 wherein the display page is a web page.

18. (Original) The method of claim 11 wherein the display page is sent via the Internet.

19. (Previously Presented) The method of claim 11 including receiving financial information relating to operation of the identified installed turbine and estimating revenue generated from the identified installed turbine with the indicated modification.

20. (Currently Amended) A method in a computer system for displaying a performance characteristic of an installed power generating turbine, the method comprising:

sending an identification of the installed turbine to a manufacturer of the turbine ;
and

receiving a display page indicating a performance characteristic of the identified installed turbine relative to the said performance characteristic for other power generating turbines.

21. (Previously Presented) The method of claim 20 including:
sending an indication of a modification to the identified installed turbine; and
receiving a display page indicating the performance characteristic of the identified installed turbine with the indicated modifications.

22. (Previously Presented) The method of claim 20 wherein the display page includes financial information relating to possible modifications to the identified installed turbine.

23. (Previously Presented) The method of claim 20 wherein the performance characteristic of the identified installed turbine is displayed as a graph.

24. (Original) The method of claim 23 wherein the graph indicates the performance characteristic for other turbines.

25. (Previously Presented) The method of claim 24 wherein the graph includes an indication of an average performance characteristic for other turbines.

26. (Cancelled).

27. (Original) The method of claim 23 wherein the graph includes a background with colors that transition from a shade of red to a shade of yellow to a shade of green.

28. (Previously Presented) A computer-readable medium containing instructions for controlling a computer system to determine a performance characteristic of an

installed turbine, the installed power generating turbine having a configuration, by a method comprising:

simulating a current performance characteristic based on a plurality of readings collected from an identified installed power generating turbine;

receiving an indication of a modification to the configuration of the identified installed turbine; and

determining a future performance characteristic of the identified installed turbine based on the indicated modifications to the configuration.

29. (Original) The computer-readable medium of claim 28 wherein the simulating of the current performance characteristic includes estimating fuel flow by repeatedly simulating the current performance characteristic by varying fuel flow until a desired combustor efficiency is achieved.

30. (Previously Presented) The computer-readable medium of claim 28 including receiving financial information relating to operation of the identified installed turbine and estimating revenue generated from the identified installed turbine with the indicated modification.

31. (Original) The computer-readable medium of claim 28 including sending a display page for displaying the determined future performance characteristic.

32. (Previously Presented) The computer-readable medium of claim 31 wherein the display page includes an indication of an average for the performance characteristic for other turbines.

33. (Cancelled).

34. (Original) The computer-readable medium of claim 31 wherein the display pages includes a graph illustrating the performance characteristics.

35. (Original) The computer-readable medium of claim 34 wherein the graph includes a background with colors that transition from a shade of red to a shade of yellow to a shade of green.

36. (Original) The computer readable medium of claim 31 wherein the display page is a web page.

37. (Original) The computer-readable medium of claim 31 wherein the display page is sent via the Internet.

38. (Currently Amended) A computer system for determining a performance characteristic of an installed power generating turbine, the turbine having a configuration, comprising:

means for receiving an indication of a modification to the configuration of the identified installed turbine; and

means for determining a future performance characteristic of the identified installed turbine based on the indicated modifications to its configuration.

39. (Previously Presented) The computer system of claim 38 including:
means for simulating a current performance characteristic based on various readings collected from the identified installed turbine.

40. (Original) The computer system of claim 39 wherein the means for simulating the current performance characteristic includes means for estimating fuel flow by repeatedly simulating the current performance characteristic by varying fuel flow until a desired combustor efficiency is achieved.

41. (Previously Presented) The computer system of claim 38 including means for receiving financial information relating to operation of the identified installed turbine and means for estimating revenue generated from the identified installed turbine with the indicated modification.